

# FlashPRO: Flash Memory Engineering Programmer

- Low-cost engineering programming solution
- Cost-effective modular support
  - Buy only what you need
  - Each socket module supports all devices in that package via use of the family module boards
- Intuitive, easy-to-use menus
- Socket modules for all packages
  - 56/48/40/32-lead TSOP
  - 44-lead PSOP
  - 72-lead SIMM
  - 60-pin Miniature Card<sup>1</sup>
  - 56-lead SSOP
  - 32-lead PLCC
  - 68-pin PC Card
- iFLASH3 software updates are maintained on Intel's World Wide Web site and Application Support Bulletin Board System (BBS)

FlashPRO is a PC-driven (parallel port attachment) programmer. It enables system designers to program and erase all 5V-tolerant Intel DIP Flash memory components directly. (Block locking support is available on required products.) Non-DIP packages require that one of the separately-available socket modules be used.

Three family module boards come with the base tool and are another integral part of the system. They keep costs down by routing power and ground for device families via inexpensive circuit boards with SIMM-like connector edges. For example, the 56-lead TSOP module supports all current devices in that package type: 2/4-Mb Boot Block devices, 16/32-Mb FlashFile™ memories and the 28F016XS and 28F016XD Fast Flash devices—even though their pinouts are drastically different.



The user's manual provides information on supported file formats, system requirements, menu commands, status and setting displays, buffer editor usage, use of the macro file iFLASH3.INI, troubleshooting tips and technical support contacts.

The iFLASH3 graphical interface is very user friendly. On-line help guides users through the extensive tool capabilities without their having to access instruction manuals. Because of its intuitive menu structure and on-line help, new users will be programming quickly.

<sup>1</sup> Requires FlashPROMEMCRD module and industry-standard Miniature Card-to-PC Card adapter.

INTEL FLASH MEMORY SUPPORTED/AVAILABILITY:  
Refer to Intel's World Wide Web site for the latest list of products supported and availability.

<http://developer.intel.com/design/flcomp/devtools/index.htm>

<http://developer.intel.com/design/flcard/devtools/index.htm>

CONTACT:  
See Appendix C